RAW SEQUENCE LISTING PATENT APPLICATION: US/09/199,874B DATE: 05/04/2000 TIME: 06:18:47

				-			•	•		•							//	,	
4	<110>	APP	LICAN	T: Se	are,	Gine	o V.										(Y,		
5			nenbe		-												- 11		
6			u-Sam				i										V		
7		Jup	pner,	Hara	1d														
8			ts, J			Т.													
9			ipani																
11	<120>		-				ARATI	TYRO	то н	ORMO	NE R	ECEP	TOR	AND	DNA ENCO	DING SAME			
	<130>															21110 01111			
	<140>								2 09	/199	874	Þ							
	<141>									, 1))	, 0 , 4.								
	<150>									71 4	3.4								
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	<170>				TSEQ	ior	wind	iows	ver	sion	4.0								レ
	<210>	_														EN.	9	G Brass	
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	<212>																		
	<213>			: Did	elph	oide	a												
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37										Me	t Gly	y Ala	a Pro	o Ar	g Ile				
38										:	L				5				
40	tcg c	ac a	gc ct	t gcc	ttg	ctc	ctc	tgc	tgc	tcc	gtg	ctc	agc	tcc	gtc	163			
41	Ser H	lis S	er Le	u Ala	Leu	Leu	Leu	Cys	Cys	Ser	Val	Leu	Ser	Ser	Val				
42			1	0				15					20						
44	tac g	ca c	tg gt	g gat	gcc	gat	gat	gtc	ata	acg	aag	gag	gag	cag	atc	211			
45	Tyr A	la L	eu Va	l Asp	Ala	Asp	Asp	Val	Ile	Thr	Lys	Glu	Glu	Gln	Ile				
46	-		25	_		_	30				_	35							
48	att c	tt c	tg cg	c aat	qcc	cag	qcc	cag	tgt	qaq	cag	cqc	ctq	aaa	qaq	259			
	Ile L																		
50		40		-		45			•		50	_		-			=		
52	gtc c	tc a	aa at	e eet	gaa	ctt	act	gaa	tet	acc	aaa	gac	t.aa	atq	tca	307	C		
	Val L				-		-	-		-		_		-		• • •	}1		
54				0	60					65	_, _				70		(~)		~~
	agg t	ot a	ca 22	m 202		220	aaa	222	cct		m = 2	220	ctt	+ = +		355	S		m
	Arg S															333	رے	-<	\Box
58	ALY S	CI A	та пу	75	цуз	Lys	GIU	пÃЭ	80	WIG	GIU	цуз	Leu	85	PIO			\sim	
	~~~ ~					~	~++	+ -+	-			~~~	a+a		~~+	402		a)	
	cag g															403	-		<
	Gln A	ıa G			Arg	GIU	val		Asp	Arg	ser	Arg		GIN	ASP		L.,	2	
62			9	-		<b>.</b>		95			<b>.</b>		100			453	777	2009	<u> </u>
	ggc t															451	ĉ	د	
	Gly P		-	u Pro	GLu	Trp	-	Asn	tre	val	Cys	-	Pro	Ala	Gly		MAIL ROOM		
66		1	05				110					115					3		

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68	gtg	ccc	ggc	aag	gtg	gtg	gcc	gtg	ccc	tgc	ccc	gac	tac	ttc	tac	gac	4	99
69	Val	Pro	Gly	Lys	Val	Val	Ala	Val	Pro	Cys	Pro	Asp	Tyr	Phe	Tyr	Asp		
70		120					125					130						
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73	Phe	Asn	His	Lys	Gly	Arg	Ala	Tyr	Arg	Arg	Cys	Asp	Ser	Asn	Gly	Ser		
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76	tgg	gag	ctg	gtg	cct	ggg	aac	aac	cgg	aca	tgg	gcg	aat	tac	agc	gaa	5	95
	Trp	Glu	Leu	Val		Gly	Asn	Asn	Arg		$\mathtt{Trp}$	Ala	Asn	Tyr		Glu		
78					155					160					165			
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82				170					175					180			_	
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	Arg	Leu	_	Met	Tre	Tyr	Thr		Gly	Tyr	Ser	шe		Leu	GIŸ	Ser		
86			185					190					195				_	
				gct													,	39
	ьeu		vaı	Ala	vaı	ьeu		Leu	GIŸ	Tyr	Pne	_	Arg	Leu	HIS	cys		
90		200					205					210					-	0.7
				tac													,	87
		Arg	Asn	Tyr	тте		met	HIS	Leu	Pne		ser	Pne	met	Leu	_		
	215					220					225	**	+	~~~	~++	230	0	25
				atc Ile													0	35
98	Ala	Val	261	116	235	116	ьys	ASP	Ald	240	ьeu	TYL	261	GIY	245	ser		
	1 202	a a t		a+0			2+4	200				ata				aca		883
				ı Ile														003
102		nsp	. 010	250		nra	110	. 1111	255		. GIU	псс	nry	260		1111		
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				Pro														,,,
106			265				210	270	-				275	-	,			
		acc		ttc	ctt	tac	ttc			acc	aac	tac			atc	cta		979
	-			Phe				_								-		
110		280					285					290	_	-				
112	qtq	gaa	qqq	ctc	tac	ctt	cac	ago	cto	ato	ttc	ato	qct	ttt	ttc	tct	1	027
				Leu														
114	295		-		-	300					305					310		
116	gag	aaa	aag	tat	cto	tgg	ggt	ttc	aca	tta	ttt	ggc	: tgg	ggc	ctc	cct	1	075
117	Glu	Lys	Lys	Tyr	Leu	Trp	Gly	Phe	Thr	Leu	Phe	Gly	Trp	Gly	Leu	Pro		
118		_	_	_	315	; -	_			320		_	_	_	325			
120	gcc	gtg	ttt	gtc	gct	gtg	tgg	gtg	acc	gtg	agg	gct	aca	ctg	gcc	aac	1	123
121	Āla	. Val	Phe	. Val	Ala	Val	Trp	Val	Thr	Val	Arg	Āla	Thr	Leu	Ala	Asn		
122				330					335	i				340				
124	act	gag	tgo	: tgg	gac	ctg	agt	tcg	ggg	aat	aag	aaa	ı tgg	atc	ata	cag	1	171
125	Thr	Glu	Cys	Trp	Asp	Leu	Ser	Ser	Gly	Asn	Lys	Lys	Trp	Ile	Ile	Gln		
126			345	i				350					355					
				ctg:													1	219
				Leu	Ala	Ala			Val	. Asn	Phe			Phe	Ile	Asn		
130		360					365					370						
132	ata	ato	aga	gtc	ctg	gct	act	aaa	cto	cgg	gag	acc	aat	gca	999	aga	1	267

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133	Ile Ile Ar	g Val Le	Ala Thr L	ys Leu Arg G	lu Thr Asn Ala Gly Arg	
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					tg aag tcc acg cta gtc	1315
	Cys Asp Th		_		eu Lys Ser Thr Leu Val	
138	•	39		400	405	
					to tto atg gcc acg ccg	1363
	Leu Met Pr		e Gly Val H		al Phe Met Ala Thr Pro	
142		410		415	420	1411
					to caa atg cac tat gaa	1411
145	TYP THE GI			eu Trp Gin v 30	al Gln Met His Tyr Glu 435	
					tt qcc att ata tac tqt	1459
	-			-	al Ala Ile Ile Tyr Cys	1433
150	440	ie Asii se	445	ly rife rife v	450	
		t gga ga		ca gag atc a	ag aag tca tgg agc cga	1507
					ys Lys Ser Trp Ser Arg	1507
	455	, or, or	460		65 470	
		a acc tt		-	cc cgg agt ggc agc agt	1555
					la Arg Ser Gly Ser Ser	
158	•	47		480	485	
160	acc tac ac	c tat gg	c ccc atq q	tg tca cat a	ca agt gtc acc aat gtg	1603
					hr Ser Val Thr Asn Val	
162	_	490	-	495	500	
164	gga cct cg	ja ggg gg	c tgg cct te	gt ccc tca g	cc ctc gac tagetectgg	1652
165	Gly Pro Ar	g Gly Gl	y Trp Pro C	ys Pro Ser A	la Leu Asp	
166	50	)5	5:	10	515	
					gc tatgtgaagc atggttccat	1712
		-	- •		gc accaaagatg acgggtatct	1772
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186					1 5	
188	tcg cac ag	ctt gc	ttg ctc c	tc tgc tgc t	cc gtg ctc agc tcc gtc	163
189	Ser His Se	r Leu Ala	a Leu Leu Le	eu Cys Cys S	er Val Leu Ser Ser Val	
190		10		15	20	
					cg aag gag gag cag atc	211
					hr Lys Glu Glu Gln Ile	
194		:5		30	35	
196	att ctt ct	g cgc aa	gee eag go	cc cag tgt g	ag cag cgc ctg aaa gag	259

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197 198	Ile	Leu 40	Leu	Arg	Asn	Ala	Gln 45	Ala	Gln	Cys	Glu	Gln 50	Arg	Leu	Lys	Glu	
200	qtc	ctc	agg	atc	cct	gaa	ctt	act	qaa	tct	qcc	aaa	gac	taa	atq	tca	307
													Asp				
202	55					60					65	-1-				70	
		+ 0+	ac.	220	202		224	nan	222	cat		~	aag	c++	+ = +		355
			-	-		-	-				•	_	_				333
	Arg	ser	АІА	гăг		гàг	Lys	GIU	гĀЗ		Ala	GIU	Lys	Leu	_	PIO	
206					75					80					85		
	-	-					-	-		-		_	cgg	•	-	-	403
	Gln	Ala	Glu		Ser	Arg	Glu	Val		Asp	Arg	Ser	Arg		Gln	Asp	
210				90					95					100			
212	ggc	ttc	tgc	cta	cct	gag	tgg	gac	aac	att	gtg	tgc	tgg	cct	gct	gga	451
213	Gly	Phe	Cys	Leu	Pro	Glu	Trp	Asp	Asn	Ile	Val	Cys	Trp	Pro	Ala	Gly	
214			105		-			110					115				
216	ata	ccc	aac	aaq	ata	ata	qcc	ata	ccc	tac	ccc	qac	tac	ttc	tac	qac	499
													Tyr				
218		120	1	-1-			125			-1-		130	-1-		-1-		
	++0		020	222	000	000		+ = +	caa	000	+~+		agc	22+	~~~	200	547
													Ser				347
		ASII	птэ	пÃ2	GLY	-	мта	IYI	ALG	AIG	-	ASP	ser	ASII	GIY		
222					•	140					145					150	
													aat				595
	Trp	Glu	Leu	Val		Gly	Asn	Asn	Arg		Trp	Ala	Asn	Tyr		Glu	
226					155					160					165		
													gaa				643
229	Cys	Val	Lys	Phe	Leu	Thr	Asn	Glu	Thr	Arg	Glu	Arg	Glu	Val	Phe	Asp	
230				170					175					180			
232	cgc	ctc	gga	atg	atc	tac	act	gtg	ggc	tac	tcc	atc	tct	ctg	ggc	tcc	691
233	Arg	Leu	Gly	Met	Ile	Tyr	Thr	Val	Gly	Tyr	Ser	Ile	Ser	Leu	Gly	Ser	
234			185					190					195				
236	ctc	act	ata	act	ata	ctq	att	ctq	qat	tac	ttt	agg	agg	tta	cat	tac	739
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238		200					205			- 2 -		210	3			- 4 -	
	acc		aac	tac	att	cac	ato	cat	ctc	ttc	ata	tcc	ttt	ato	ctc	caa	787
													Phe				, , ,
242		ALG	กรแ	171	110	220	IIC C	1113	Бец	riic	225	Jer	1110	ricc	Deu	230	
		~+ ~		2+2	++-		224	~ - +	~-+	~+~		+	tcg	~~~	~++		835
																	633
	ALa	AGI	ser	116		116	ьуѕ	ASP	ALA		Leu	TAT	Ser	GLY		ser	
246					235					240					245		000
													agg				883
	Thr	Asp	Glu		Glu	Arg	Ile	Thr		Glu	Glu	Leu	Arg		Phe	Thr	
250				250					255					260			
252	gag	cct	ccc	cct	gct	gac	aag	gcg	ggt	ttt	gtg	ggc	tgc	aga	gtg	gcg	931
253	Glu	Pro	Pro	Pro	Ala	Asp	Lys	Ala	Gly	Phe	Val	Gly	Cys	Arg	Val	Ala	
254			265					270					275				
256	gta	acc	gtc	ttc	ctt	tac	ttc	ctg	acc	acc	aac	tac	tac	tgg	atc	ctg	979
257	Val	Thr	Val	Phe	Leu	Tyr	Phe	Leu	Thr	Thr	Asn	Tyr	Tyr	Trp	Ile	Leu	
258		280				_	285					290	-	_			
260	gtq	gaa	ggc	ctc	tac	ctt	cac	agc	ctc	atc	ttc	atq	gct	ttt	ttc	tct	1027
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Input Set : A:\Sequence

Output Set: N:\CRF3\05042000\I199874B.raw

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264	gag	aaa	aag	tat	ctc	tgg	ggt	ttc	aca	tta	ttt	ggc	tgg	ggc	ctc	cct	1075
265	Glu	Lys	Lys	Tyr	Leu	Trp	Gly	Phe	Thr	Leu	Phe	Gly	Trp	Gly	Leu	Pro	
266					315					320					325		
268	gcc	gtg	ttt	gtc	gct	gtg	tgg	gtg	acc	gtg	agg	gct	aca	ctg	gcc	aac	1123
269	Ala	Val	Phe	Val	Ala	Val	Trp	Val	Thr	Val	Arg	Ala	Thr	Leu	Ala	Asn	
270				330					335					340			
272	act	gag	tgc	tgg	gac	ctg	agt	tcg	ggg	aat	aag	aaa	tgg	atc	ata	cag	1171
273	Thr	Glu	Cys	Trp	Asp	Leu	Ser	Ser	Gly	Asn	Lys	Lys	Trp	Ile	Ile	Gln	
274			345					350					355				
276	gtg	CCC	atc	ctg	gca	gct	att	gtg	gtg	aac	ttt	att	ctt	ttt	atc	aat	1219
277	Val	Pro	Ile	Leu	Ala	Ala	Ile	Val	Val	Asn	Phe	Ile	Leu	Phe	Ile	Asn	
278		360					365					370					
280	ata	atc	aga	gtc	ctg	gct	act	aaa	ctc	cgg	gag	acc	aat	gca	ggg	aga	1267
		Ile	Arg	Val	Leu		Thr	Lys	Leu	Arg	Glu	Thr	Asn	Ala	Gly	Arg	
282	375					380					385					390	
284	tgt	gac	acg	agg	caa	cag	tat	aga	aag	ctg	ctg	aag	tcc	acg	cta	gtc	1315
285	Cys	Asp	Thr	Arg	Gln	Gln	Tyr	Arg	Lys	Leu	Leu	Lys	Ser	Thr	Leu	Val	
286					395					400					405		
288	ctc	atg	ccg	cta	ttt	ggg	gtg	cac	tac	atc	gtc	ttc	atg	gcc	acg	ccg	1363
289	Leu	Met	Pro	Leu	Phe	Gly	Val	His	Tyr	Ile	Val	Phe	Met	Ala	Thr	Pro	
290				410					415					420			
			-			4.5	att				-		-			-	1411
	Tyr	Thr		Val	Ser	Gly	Ile		$\mathtt{Trp}$	Gln	Val	Gln		His	$\mathtt{Tyr}$	Glu	
294			425					430					435				
							cag										1459
	Met		Phe	Asn	Ser	Phe	Gln	Gly	Phe	Phe	Val		Ile	Ile	$\mathtt{Tyr}$	Cys	
298		440					445					450					
							caa										1507
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	455					460					465					470	
							ttc										1555
	Trp	Thr	Leu	Ala		Asp	Phe	гăг	Arg	_	Ala	Arg	Ser	GLY		Ser	
306					475					480					485		1.500
							atg										1603
	Thr	Tyr	Ser		GIA	Pro	Met	vaı		HIS	Thr	Ser	val		Asn	vai	
310				490					495					500			1.651
							gcc										1651
313	GTA	PIO	505	GIY	GIY	Leu	Ala		ser	ren	ser	PTO	_	Leu	Ата	Pro	
	~ ~ ~			~~~				510					515				1.000
							aat										1699
318	GTA	520	GIY	Ald	Ser	Ald	Asn 525	GIY	HIS	HIS	GIII	530	PIO	GIĂ	Tyr	Val	
	220		aa+	+ 00	2++	+a+	gag	330	+00	++~	aat		+ a+	~~~		~ 3 ~	1747
							Glu										1/4/
322		1113	сту	Ser	116	540	OLU	พอแ	Ser	neu	545	per	Ser	OTA	L T O	550	
		aac	200	222	rat		ggg	+=+	ctc	a a +		tat	~~=	att	+ = +		1795
							Gly										1/93
325	FIU	Gry	* * * * * *	пур	555	~3P	O + Y	+ 1 +	neu	560	GTÄ	SGI	GIY	_eu	565	JIU	
220					درر					500					.0.		



## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

DATE: 05/04/2000 TIME: 06:18:48

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/199,874B

Input Set : A:\Sequence
Output Set: N:\CRF3\05042000\I199874B.raw

 $L\!:\!724~M\!:\!341~W\!:$  (46) "n" or "Xaa" used, for SEQ ID#:8